



FTMRS SOLAR

Irrigation solar water pump components





Overview

What are the basic components of a solar water pump system?

Read on to learn more about the basic components of a solar water pump system. The solar panels used in our solar water pump systems produce electricity by using the photovoltaic effect. These solar panels absorb the sun's photons and convert them into energy. This is the main component of a solar water pump system.

How a solar PV irrigation system works?

The pump will be operated with the power supply from the solar panel. The converter is used between the solar panel and water pump. The converter also used to charge the battery . Battery is used to supply energy to the pump during spraying of water at night time. The simple layout of solar PV irrigation system is shown in Fig. 1.

What is a solar water pump system?

The water pump is another part of the solar water pump system that is extremely important. Without the pump, you wouldn't have a water pump system! The pump is the piece of equipment that draws water from the source to be used for different applications.

What is solar energy for water pumping?

Solar energy for water pumping is a promising alternative to conventional electricity and diesel-based pumping systems. The photo- voltaic (PV) technology used for solar water pumping is to convert solar energy into electrical energy. This electrical energy is used to operate the water pump connected with sprinkler for irrigation.



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